

FIG.1 PRIOR ART

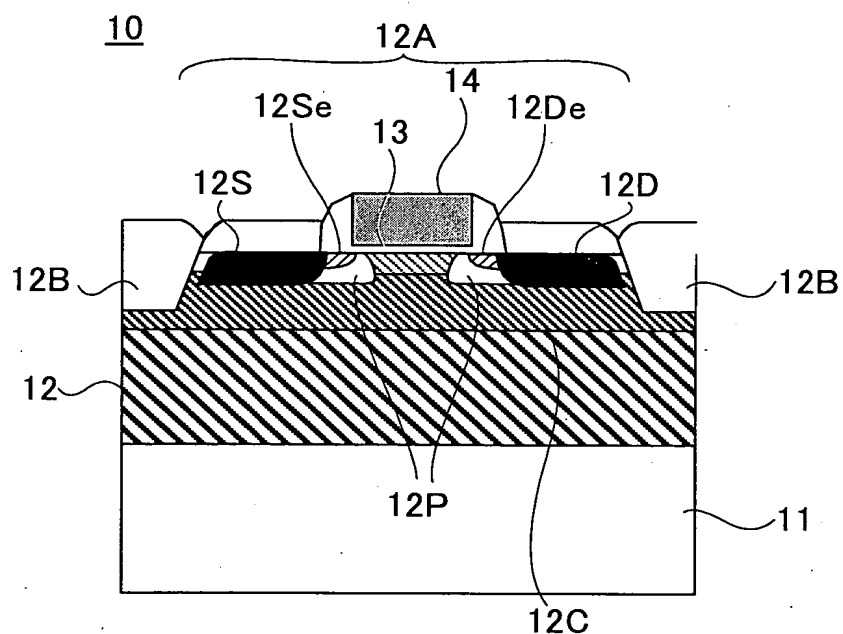


FIG.2 PRIOR ART

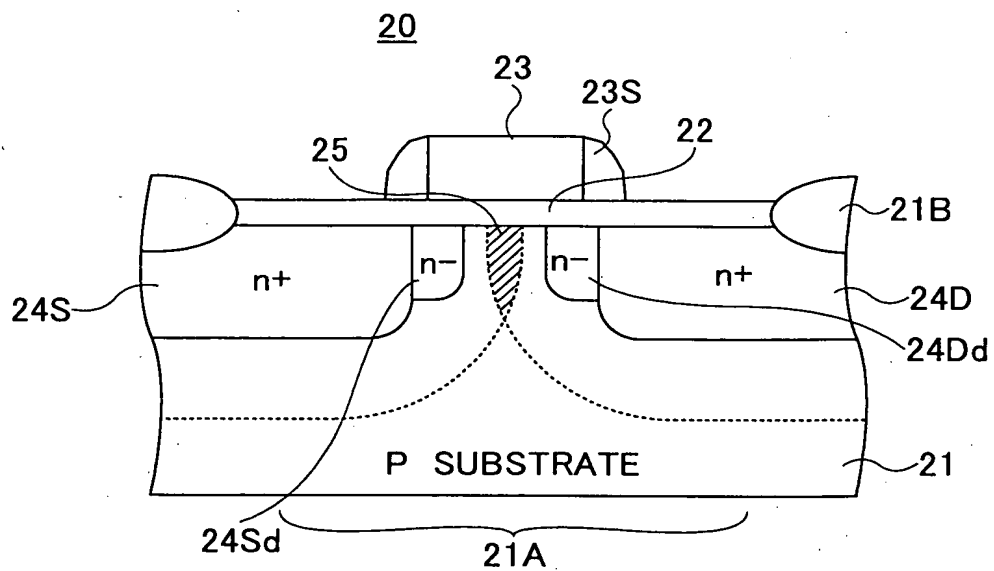


FIG.3 PRIOR ART

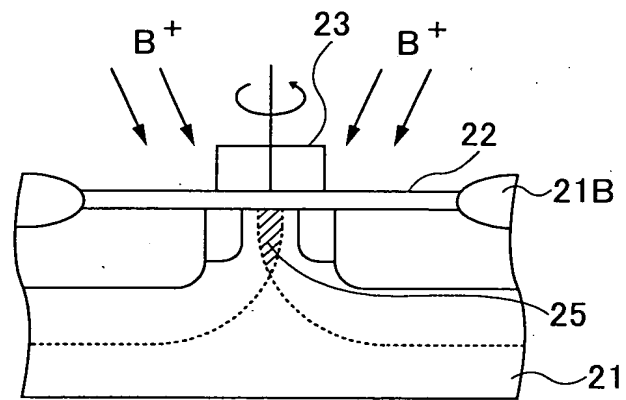


FIG.4 PRIOR ART

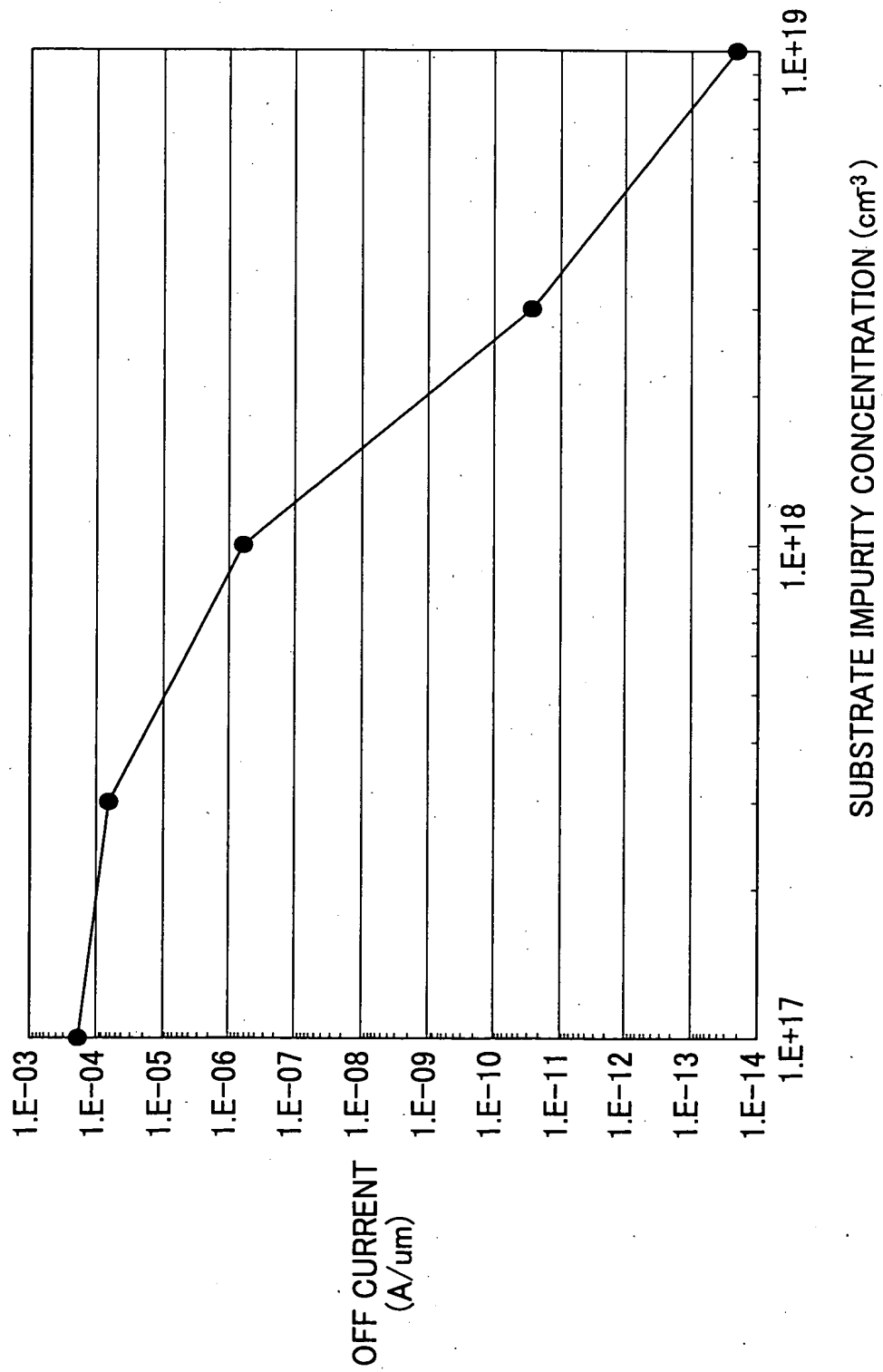


FIG.5 PRIOR ART

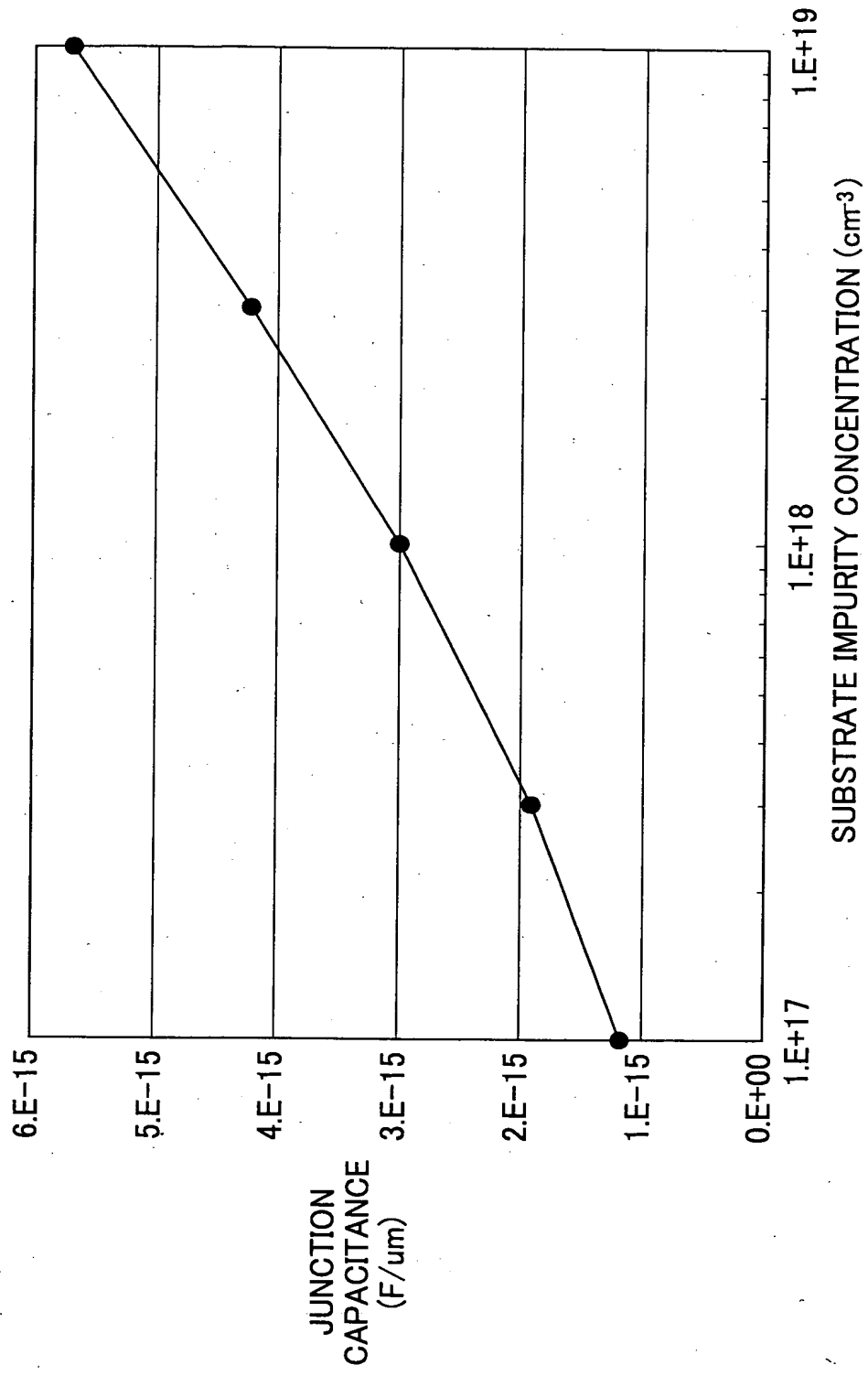


FIG.6

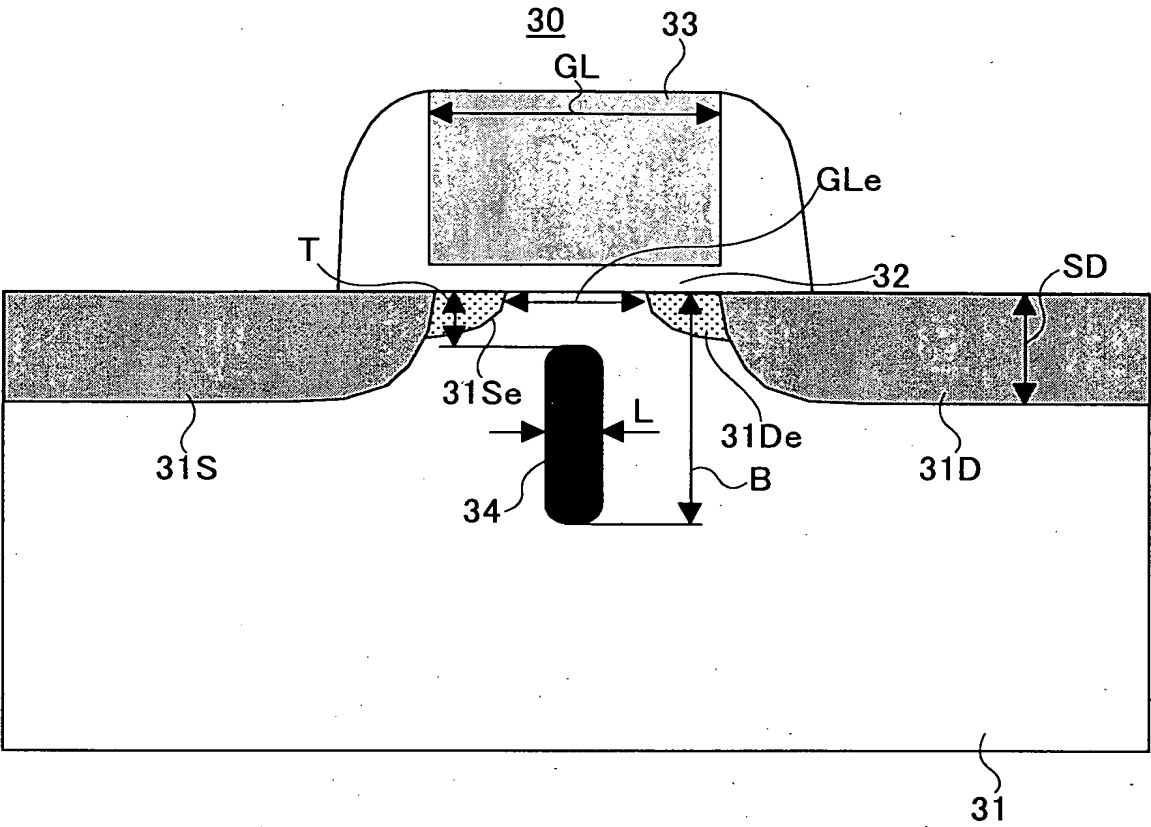
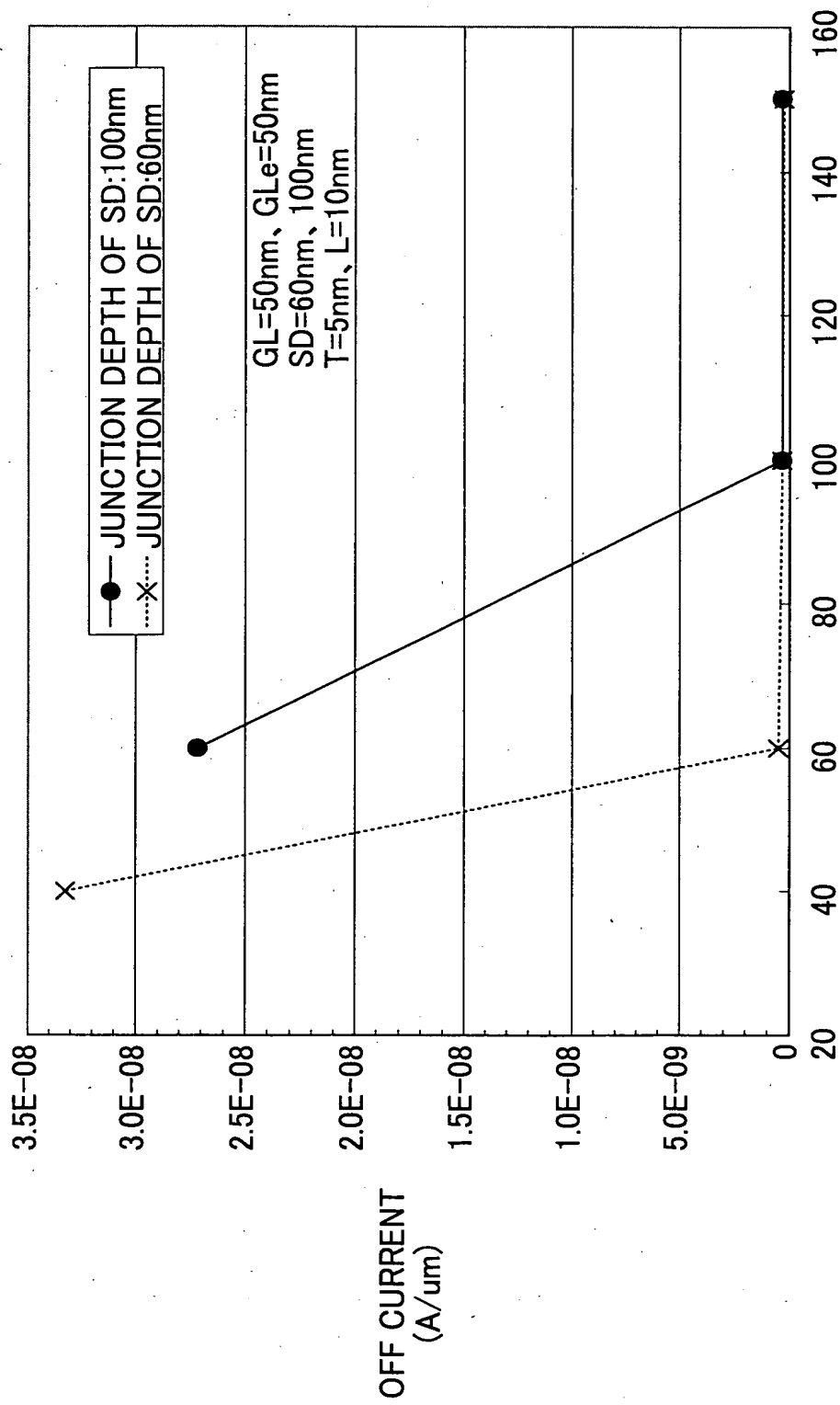


FIG.7



B: POSITION OF FARTHER END TO CHANNEL SURFACE OF PTS (nm)

FIG.8

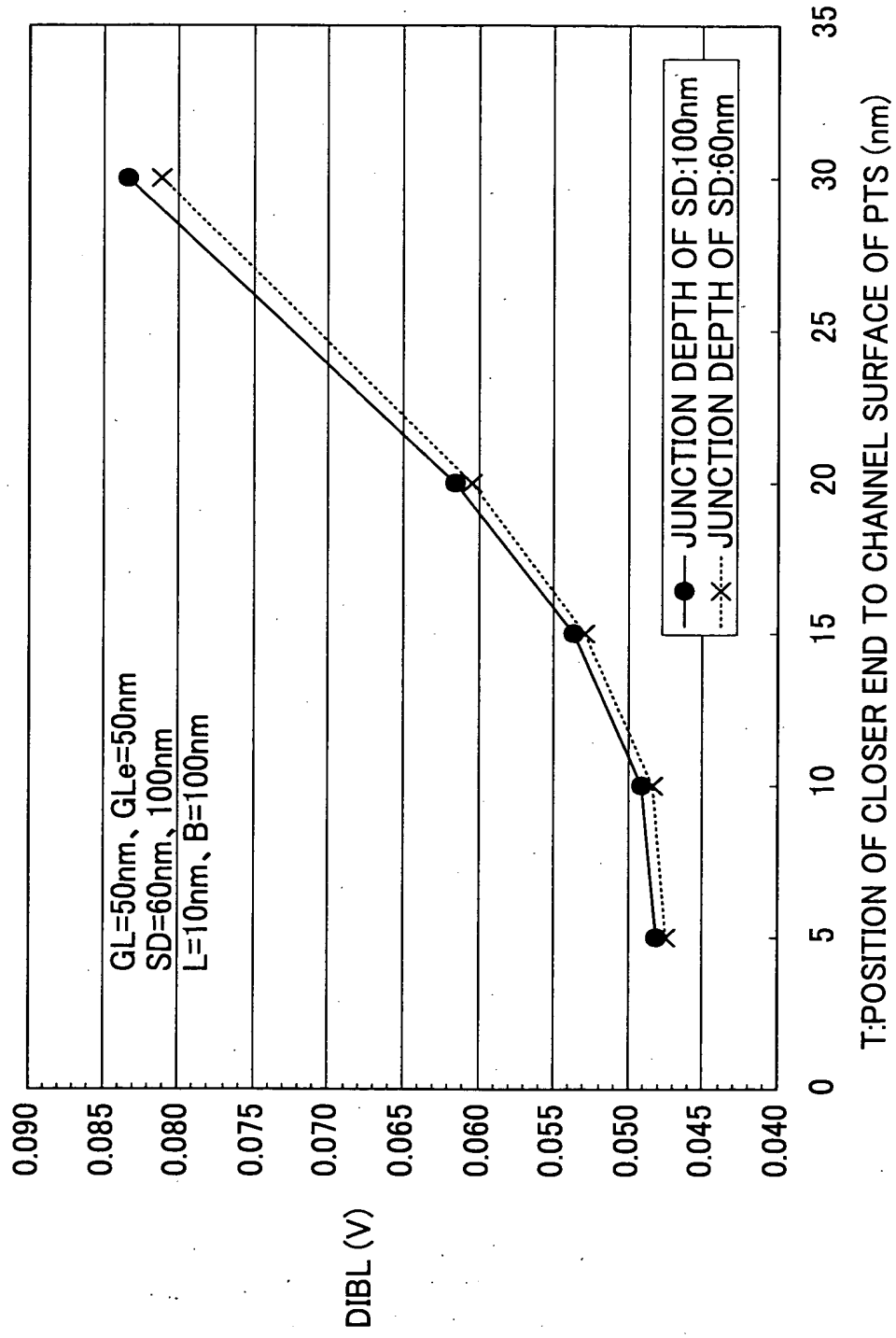


FIG.9

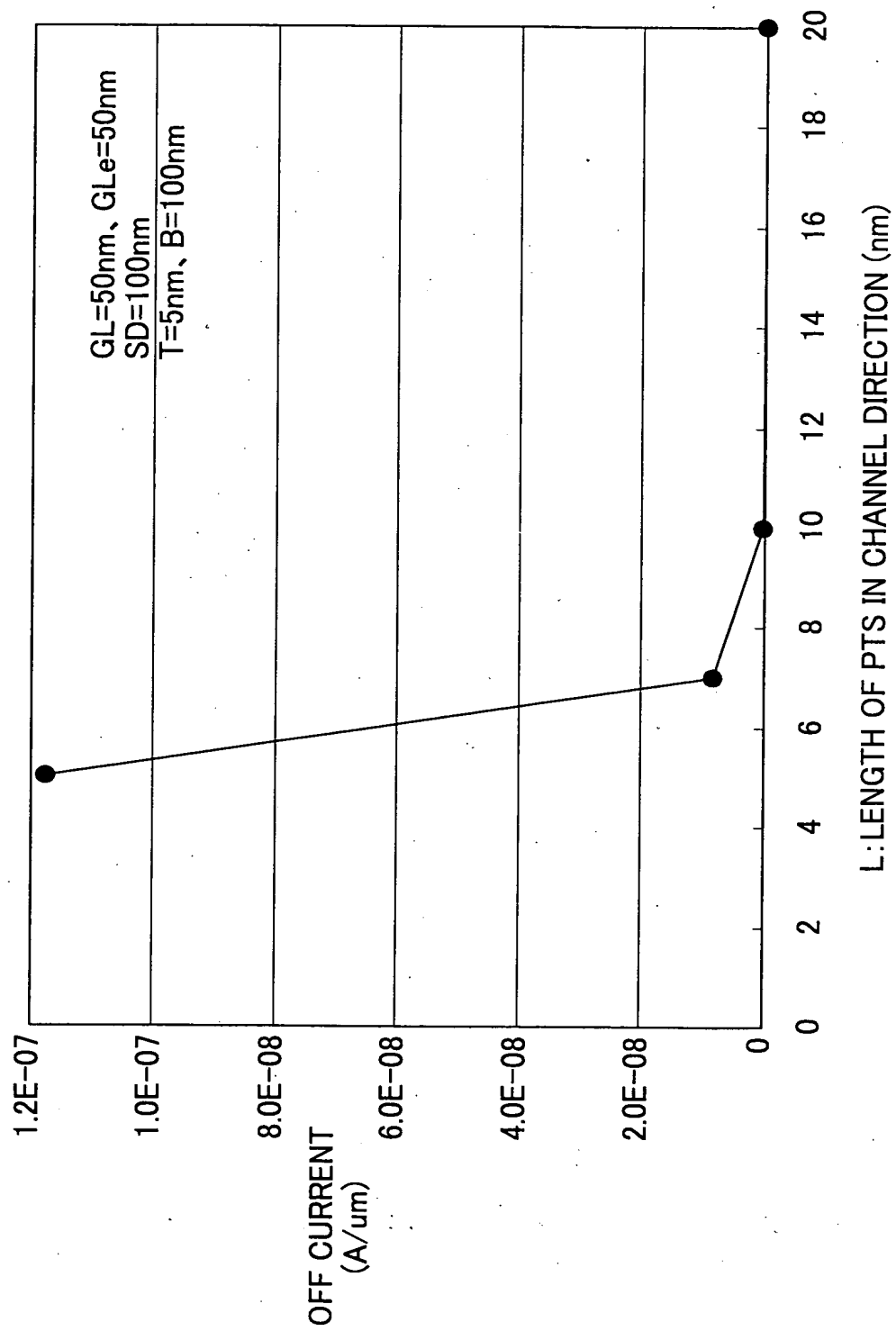
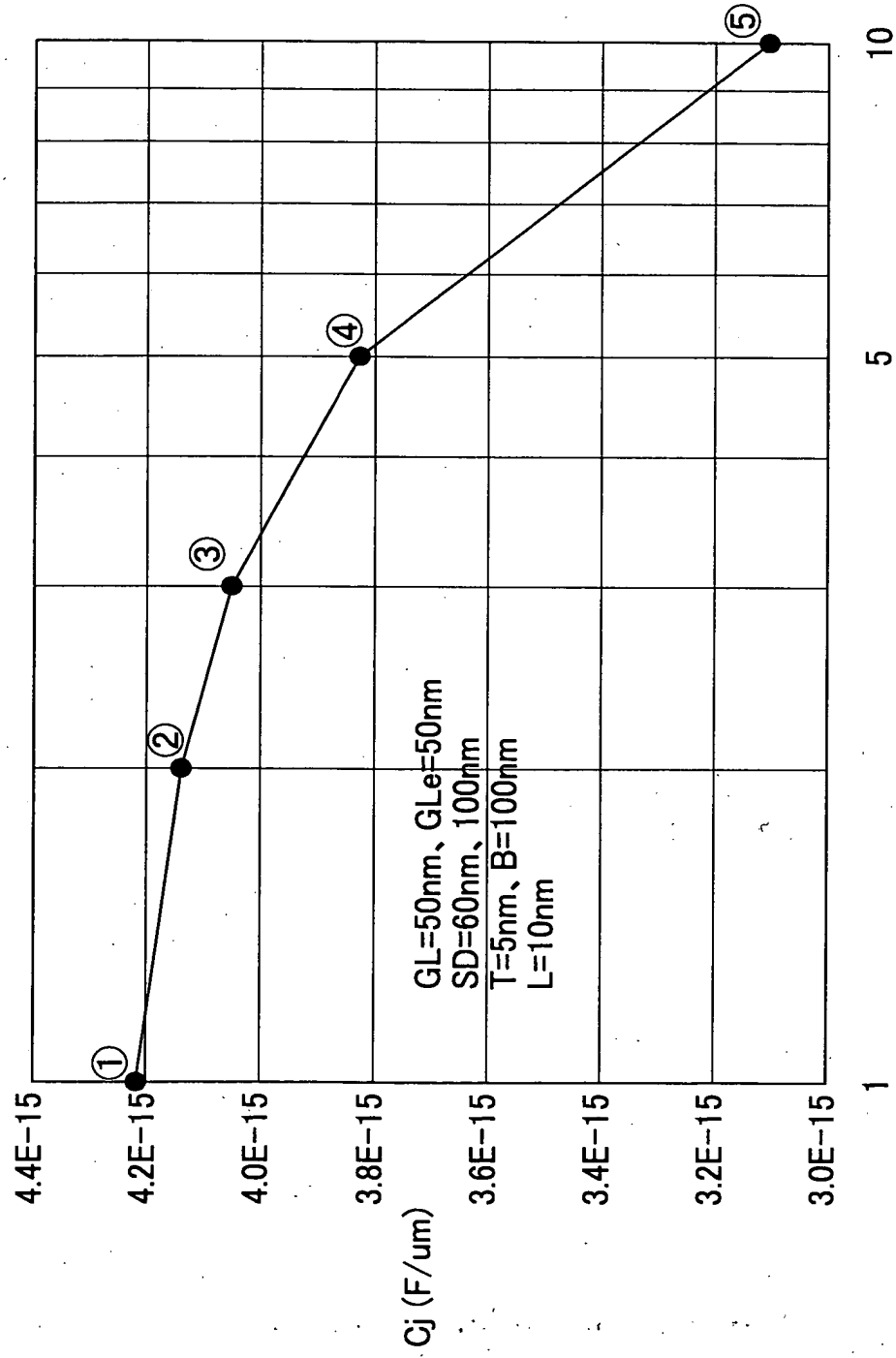


FIG.10



r: RATIO OF PTS CONCENTRATION TO
SUBSTRATE IMPURITY CONCENTRATION

FIG.11

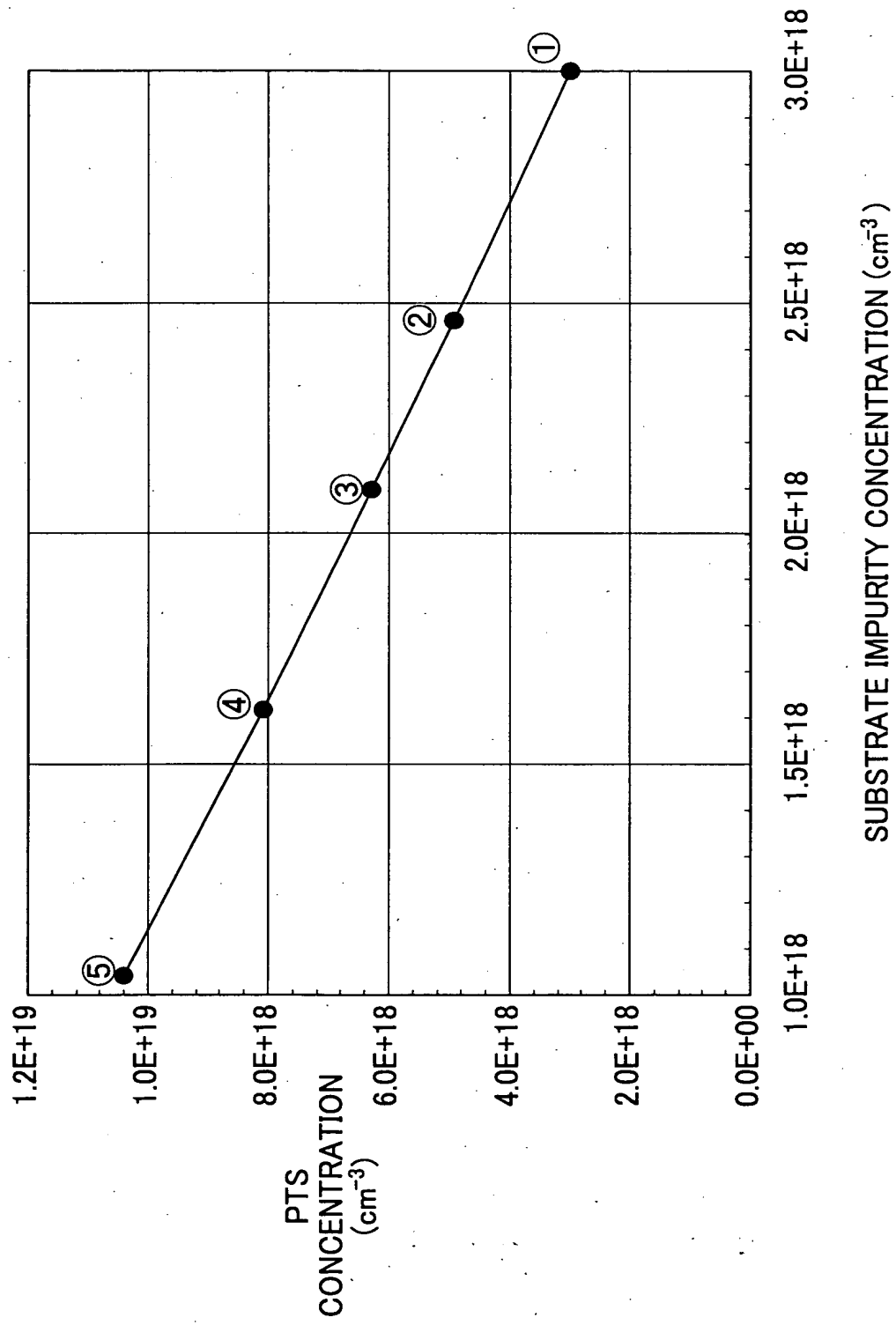
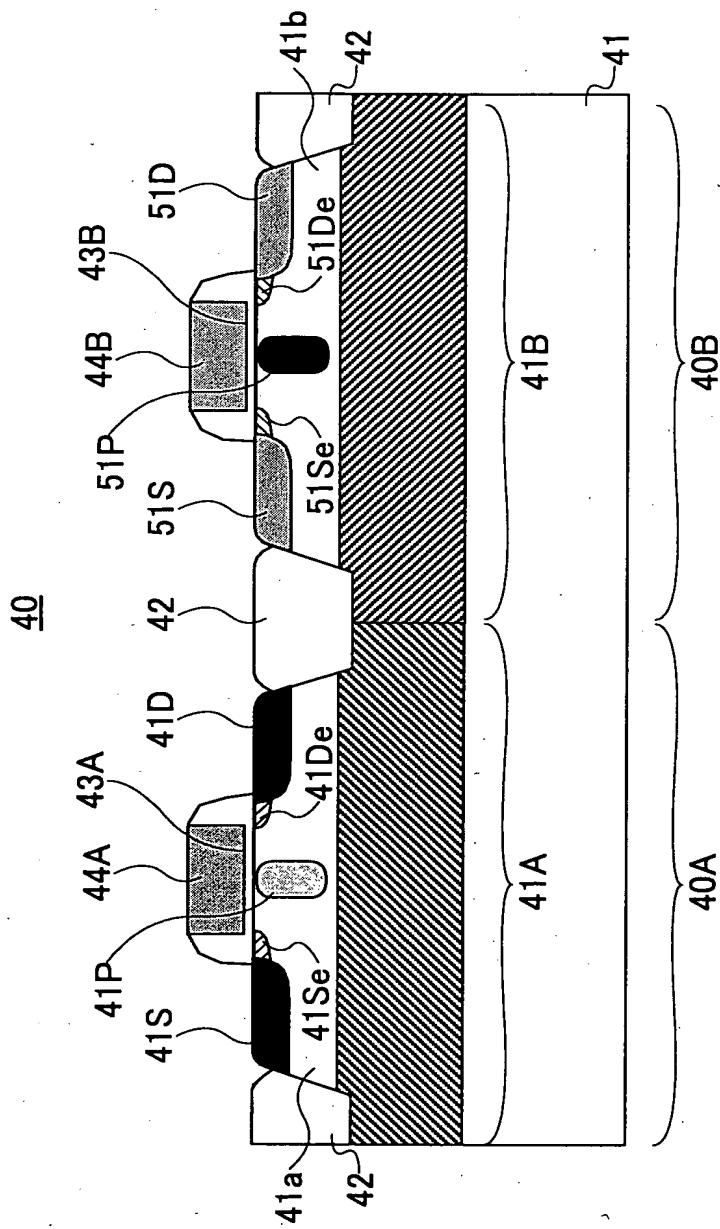


FIG.12



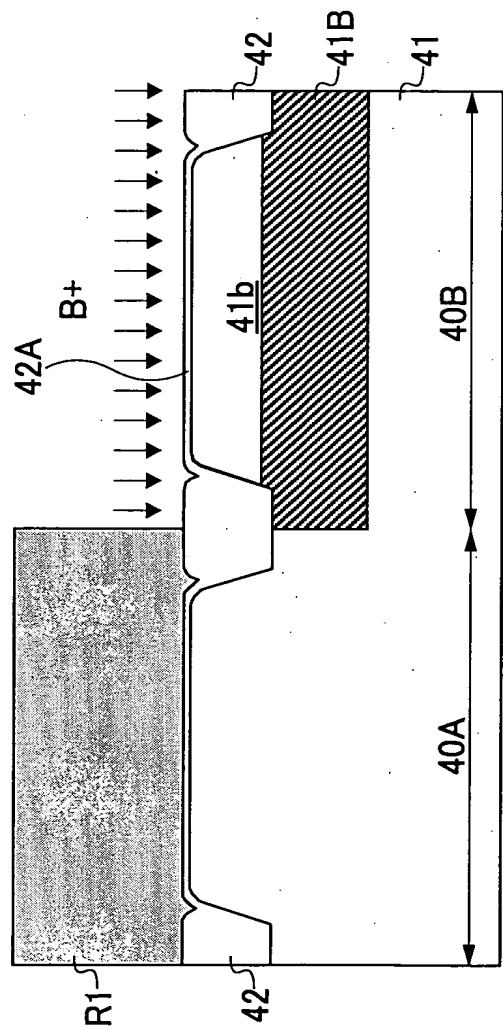


FIG. 13A

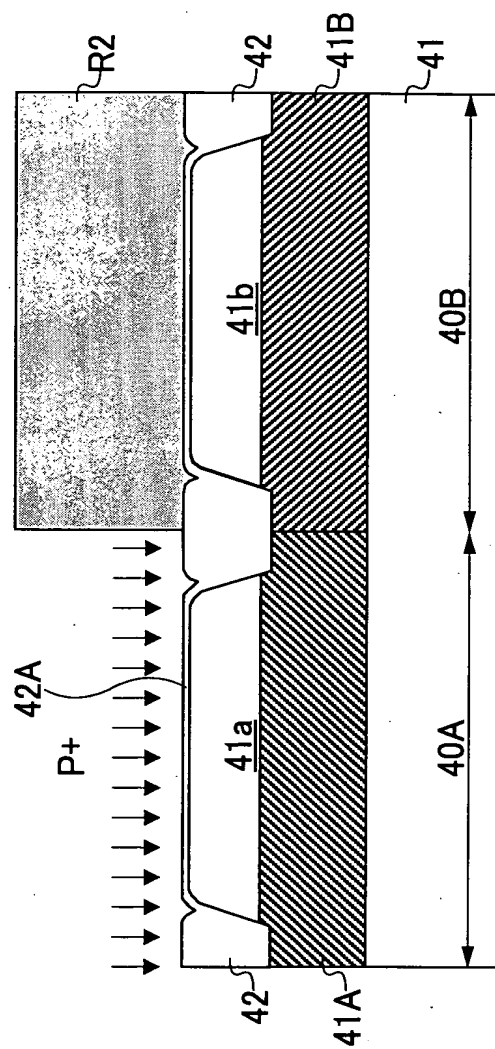


FIG. 13B

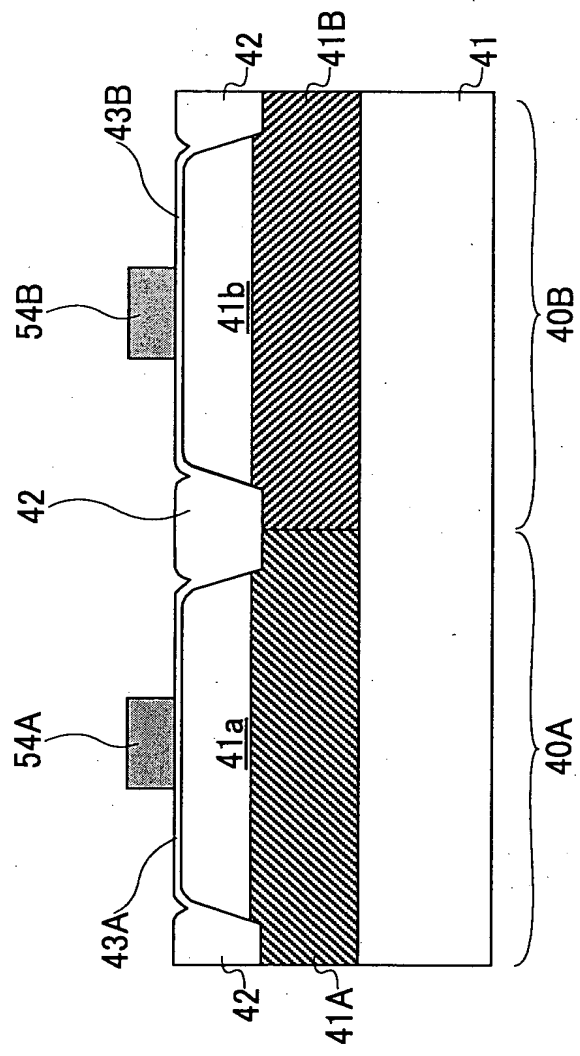


FIG.13C

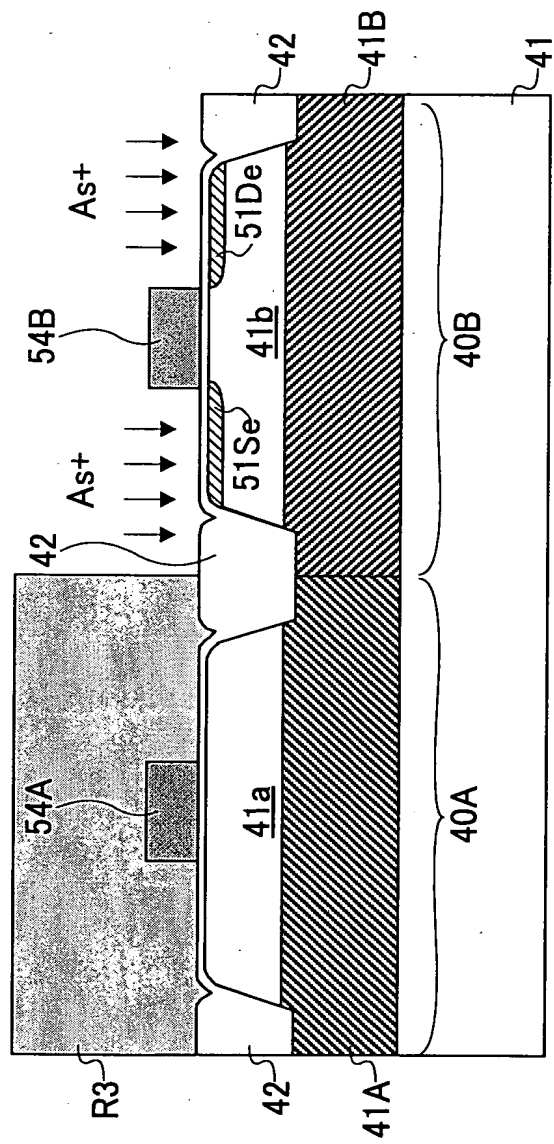


FIG. 13D

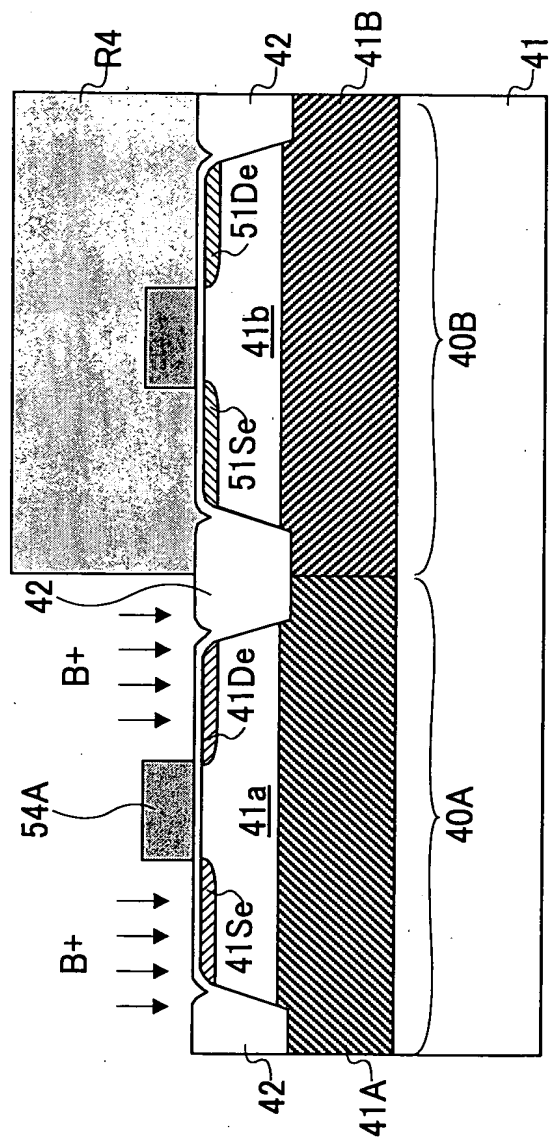


FIG. 13E

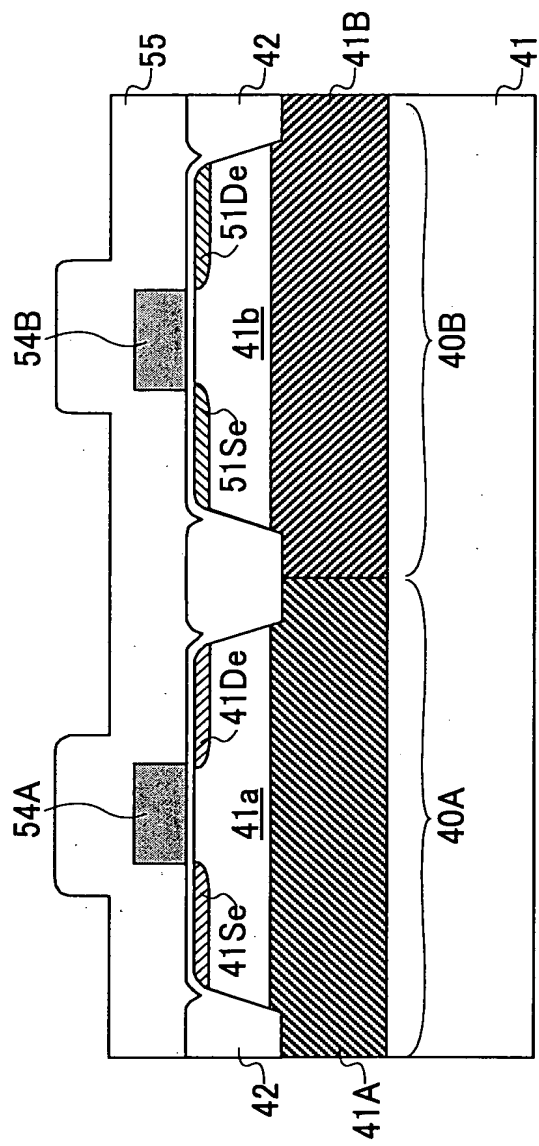


FIG. 13F

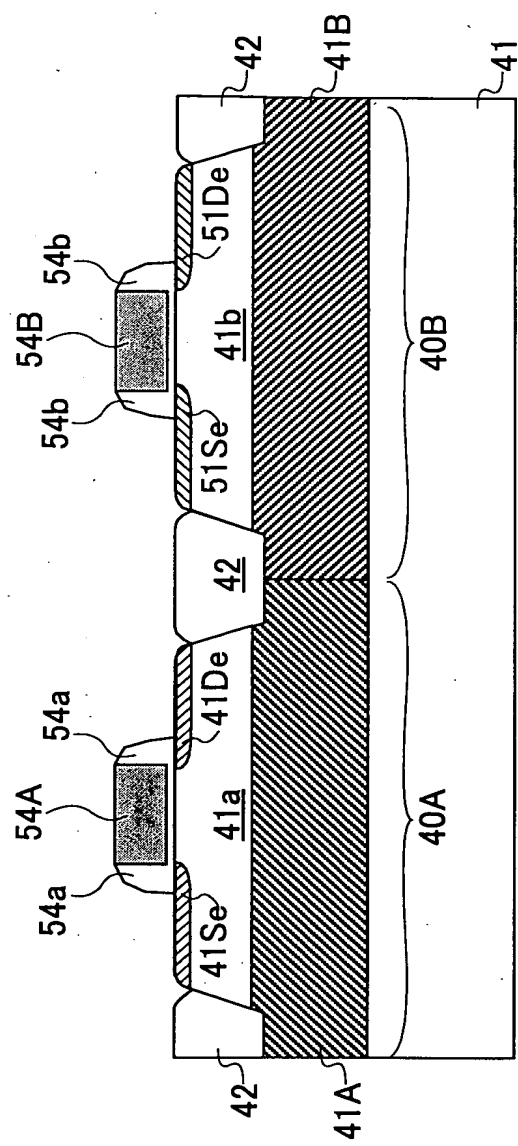


FIG. 13G

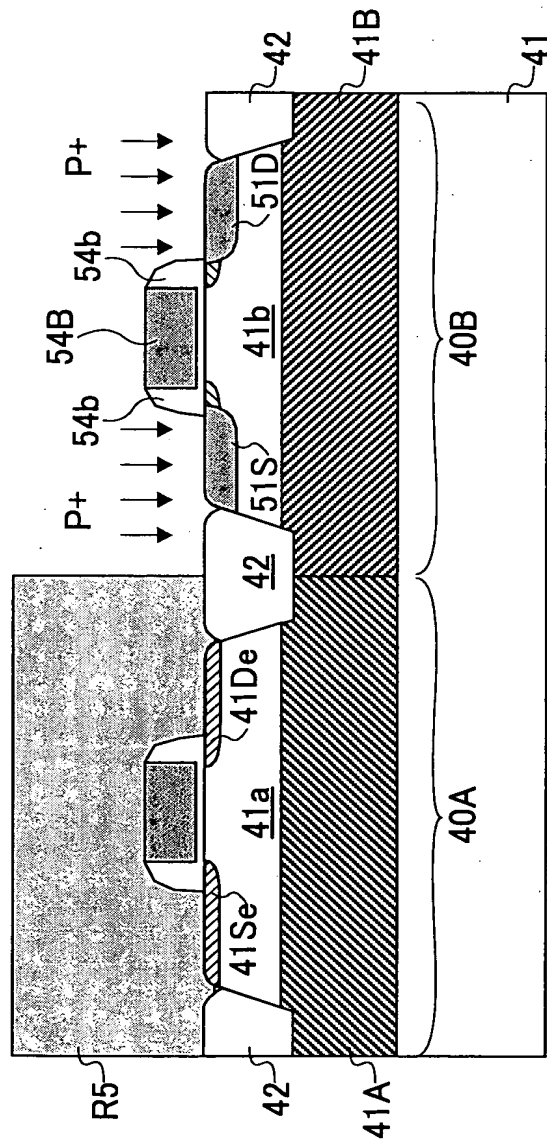


FIG.13H

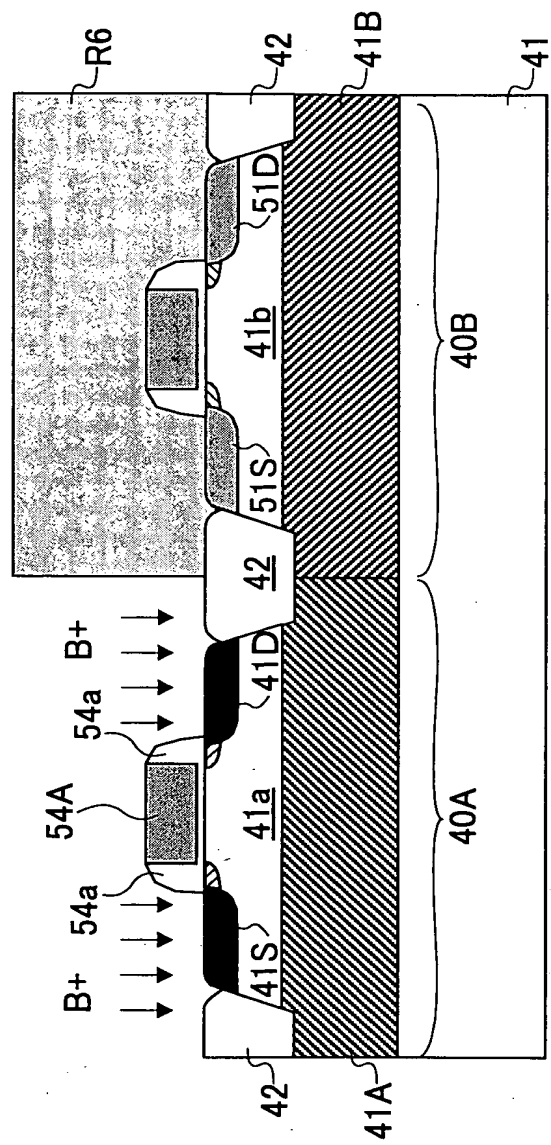


FIG.13I

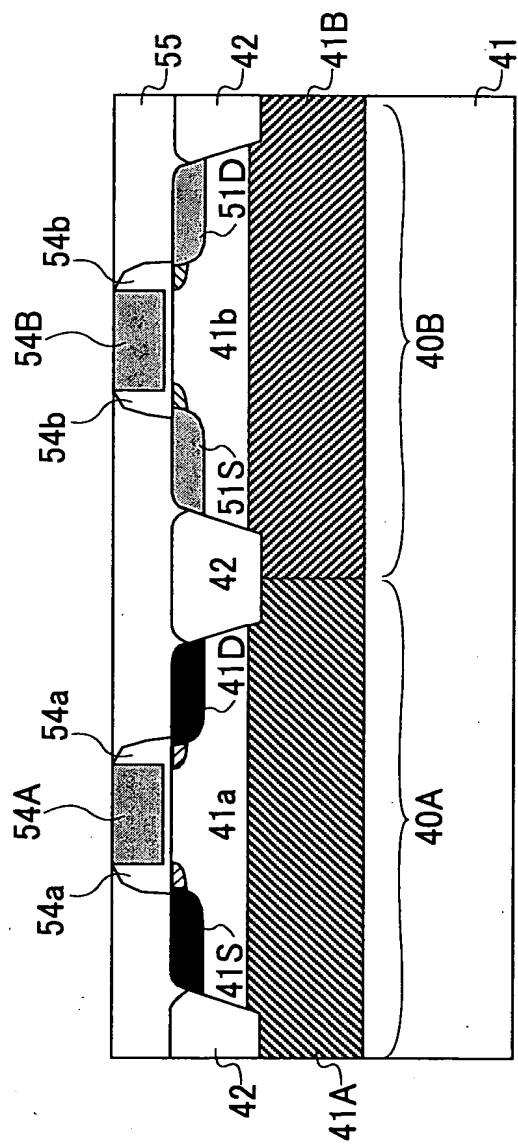


FIG.13J

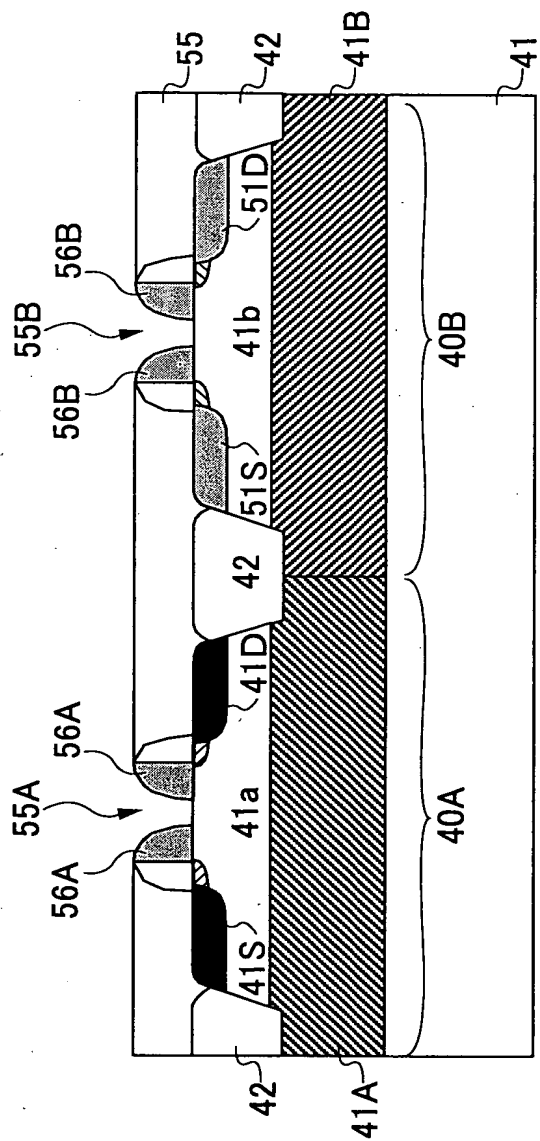


FIG.13K

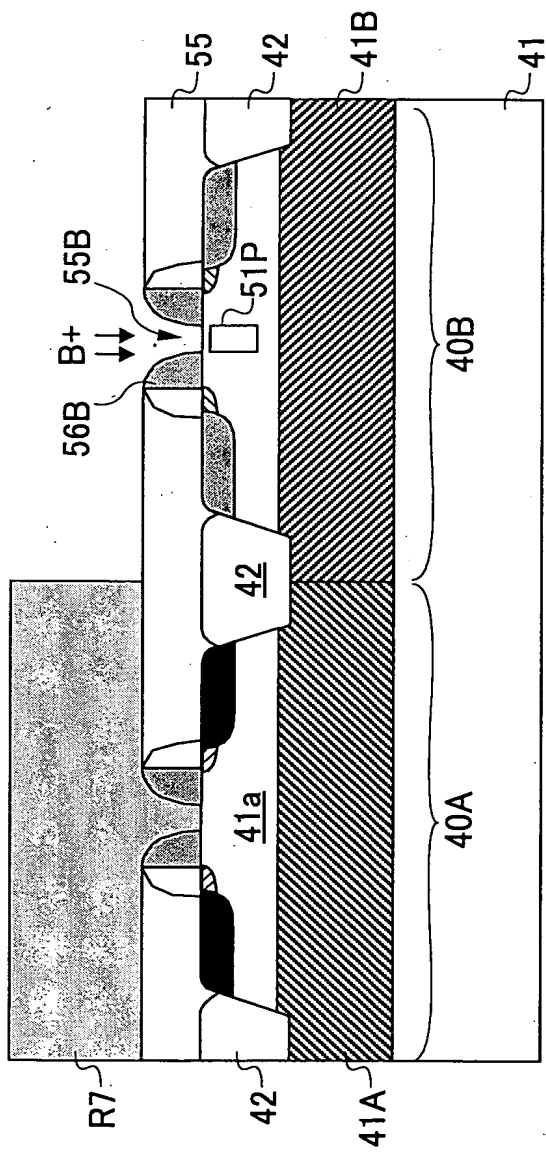


FIG. 13L

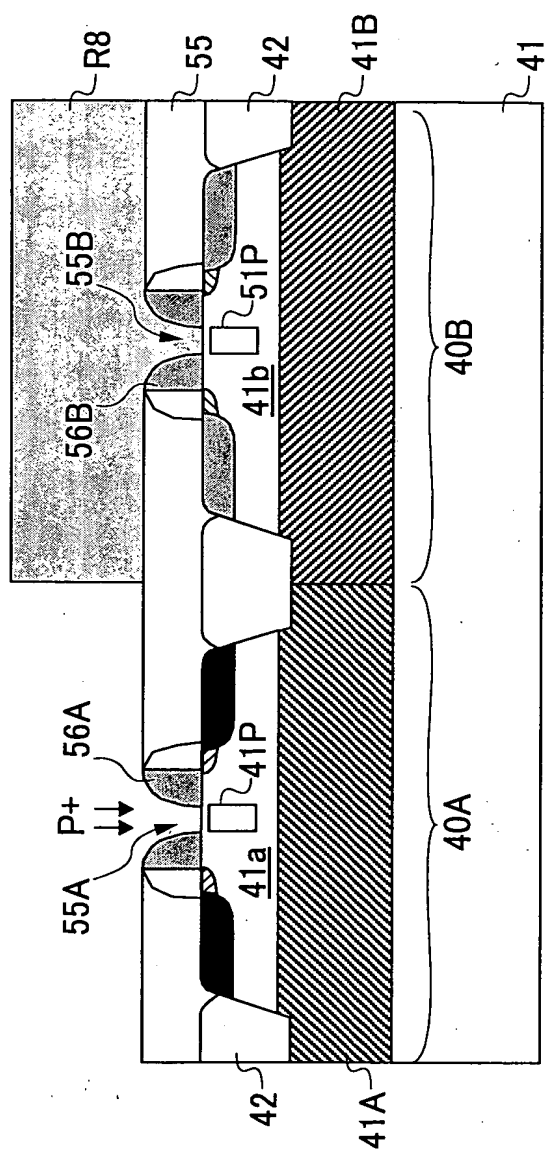
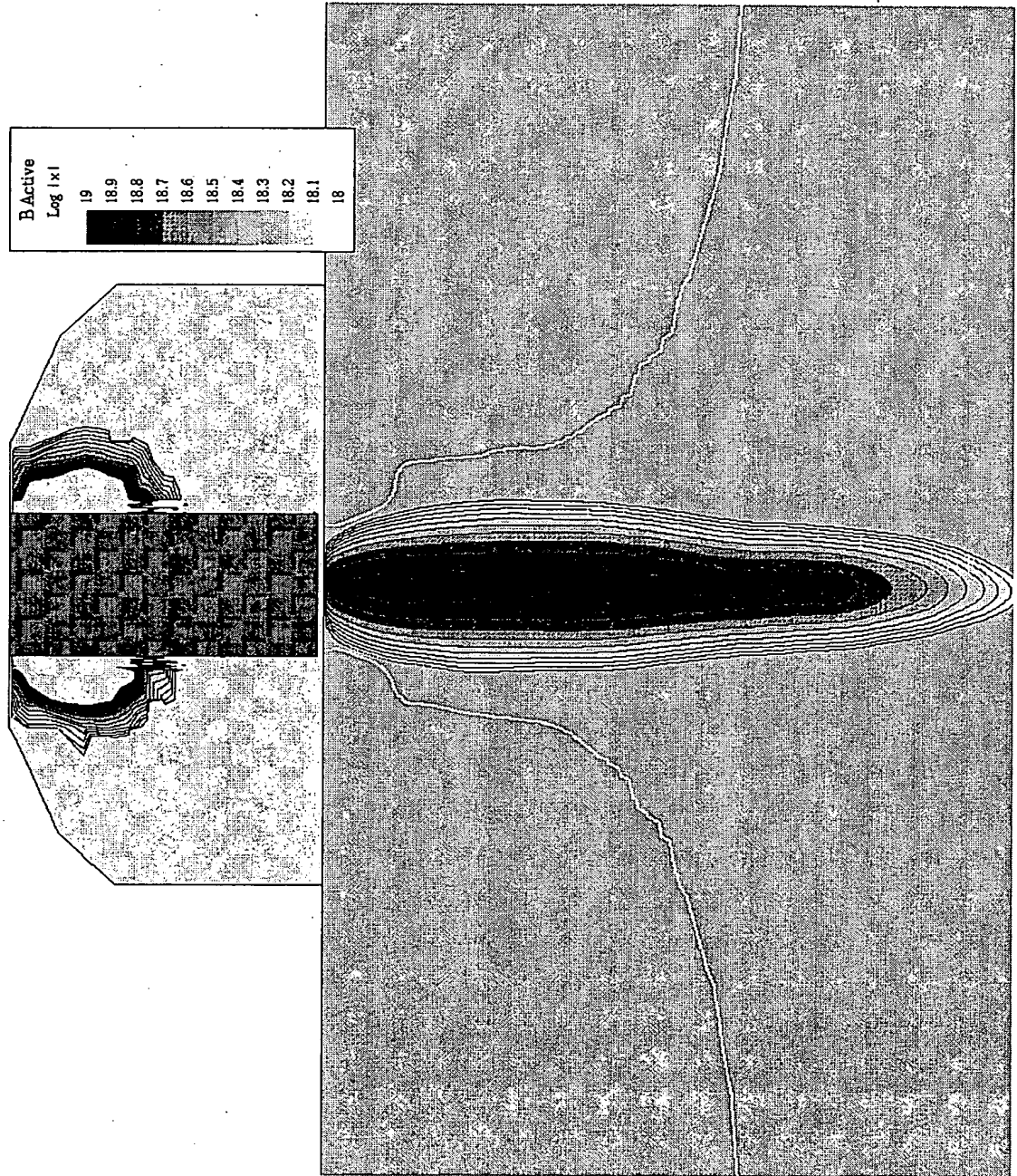


FIG. 13M

FIG.14



BEST AVAILABLE COPY

FIG.15

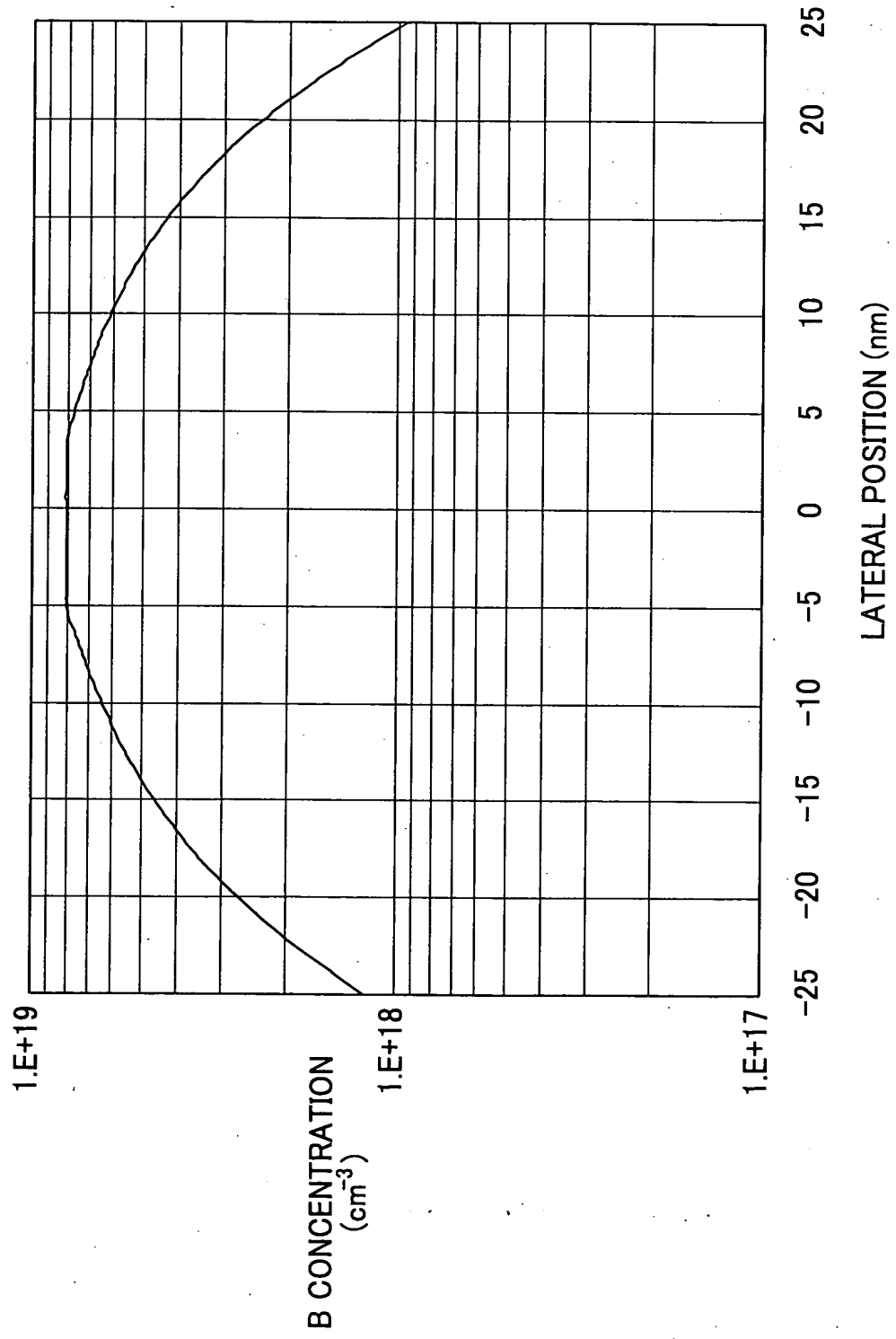
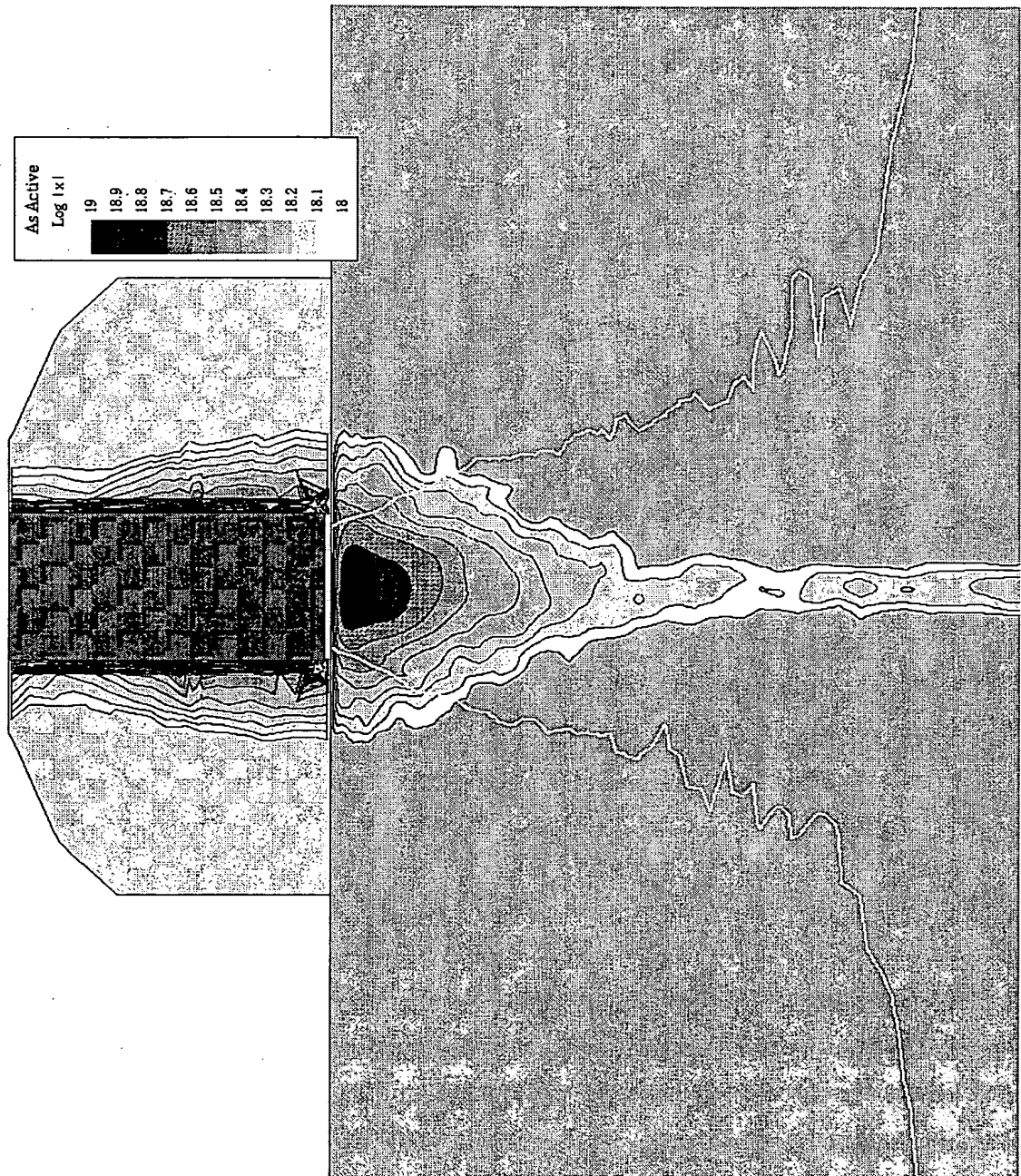


FIG.16



BEST AVAILABLE COPY

FIG.17

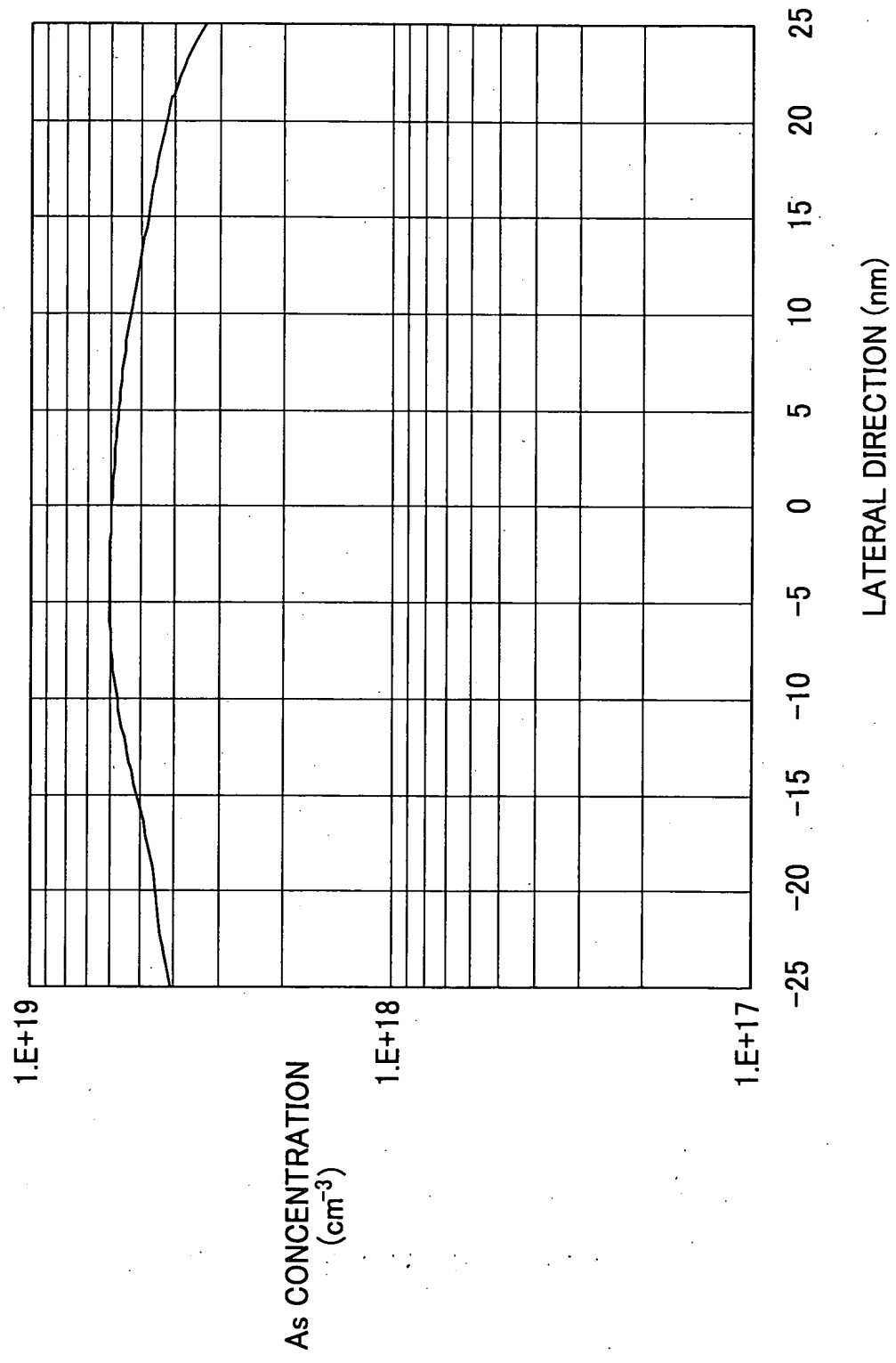
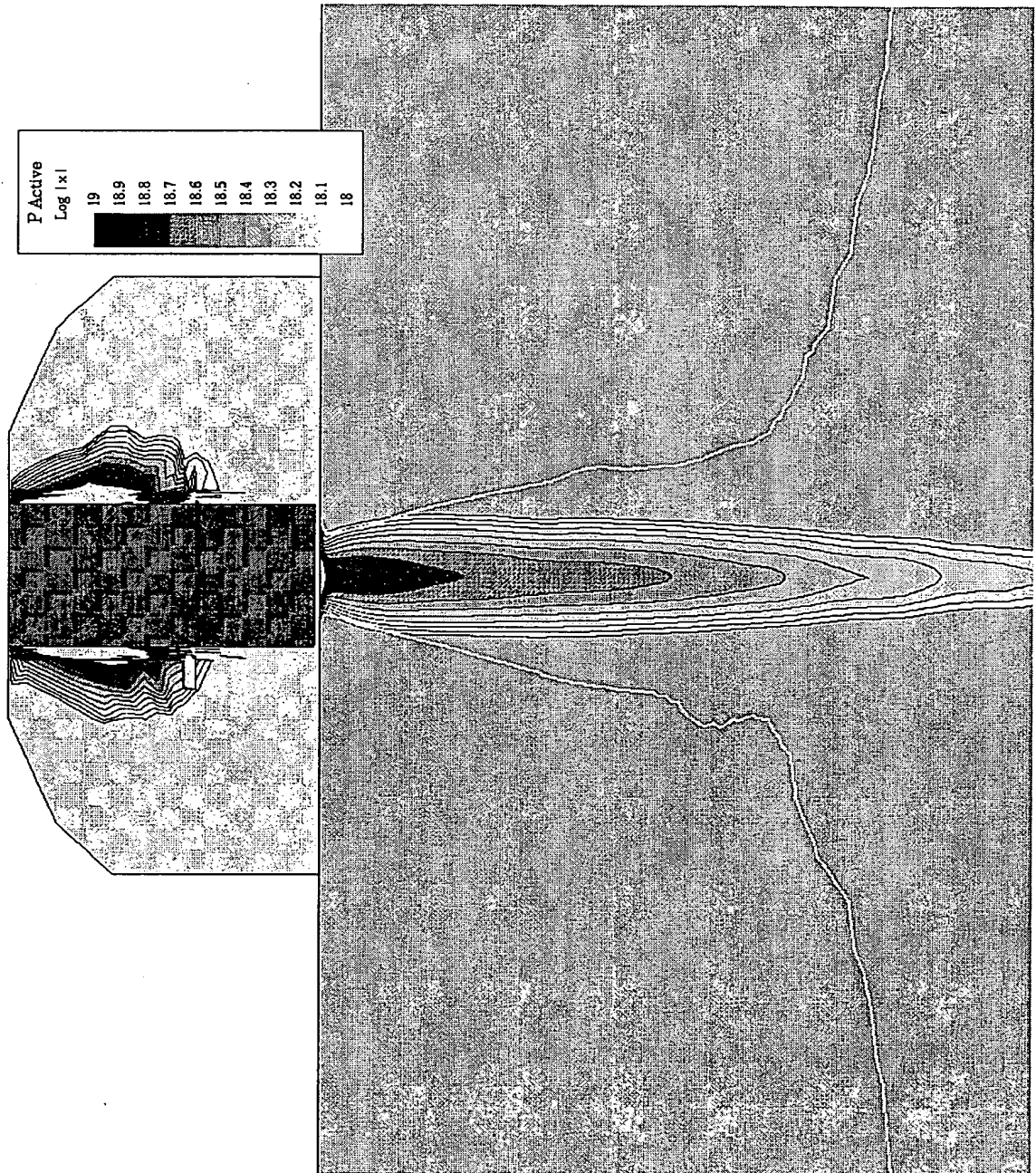


FIG.18



BEST AVAILABLE COPY

FIG.19

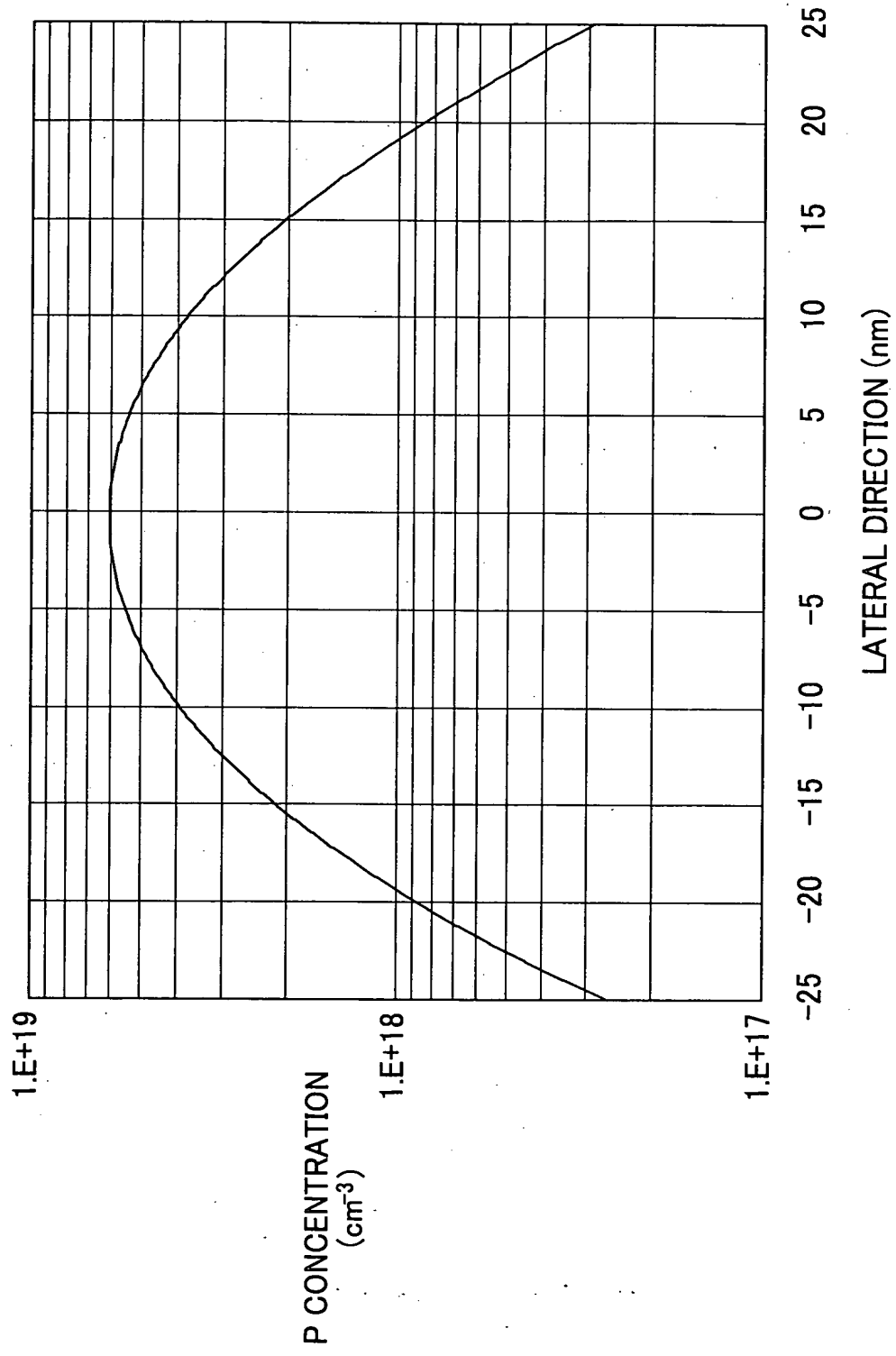


FIG.20A

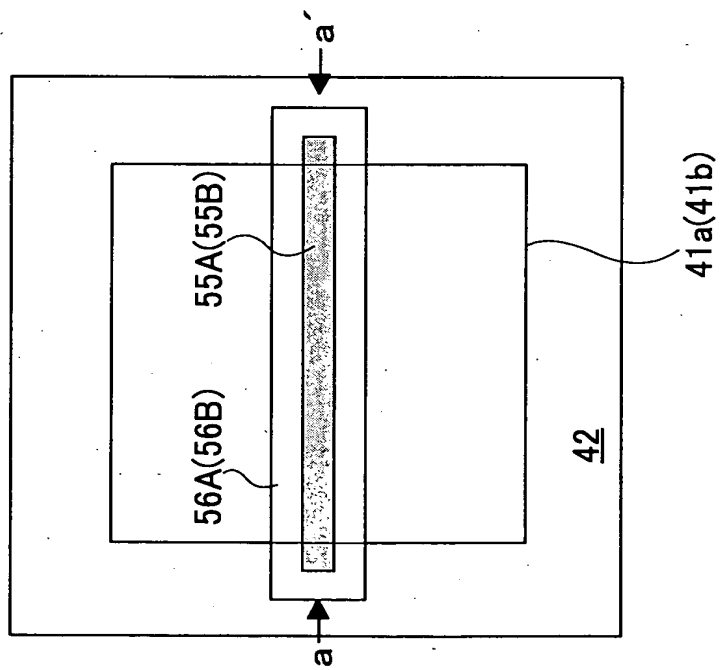
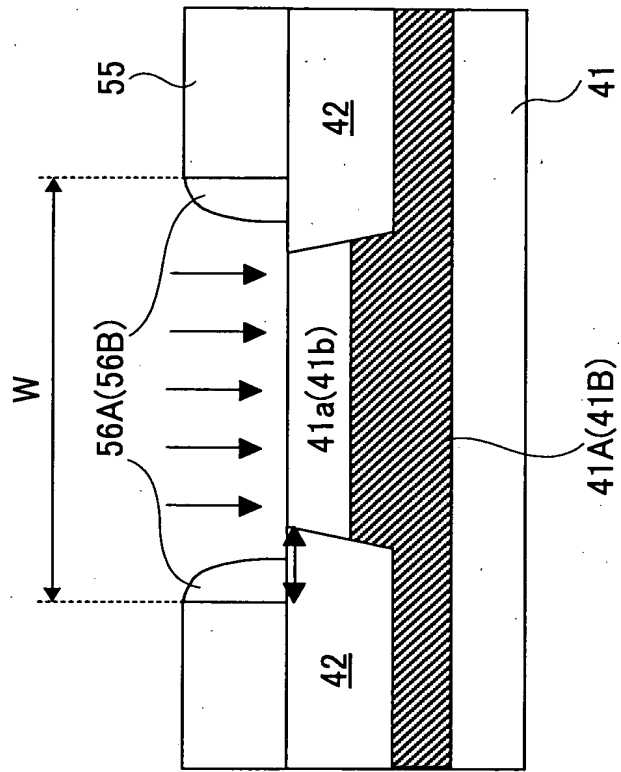


FIG.20B



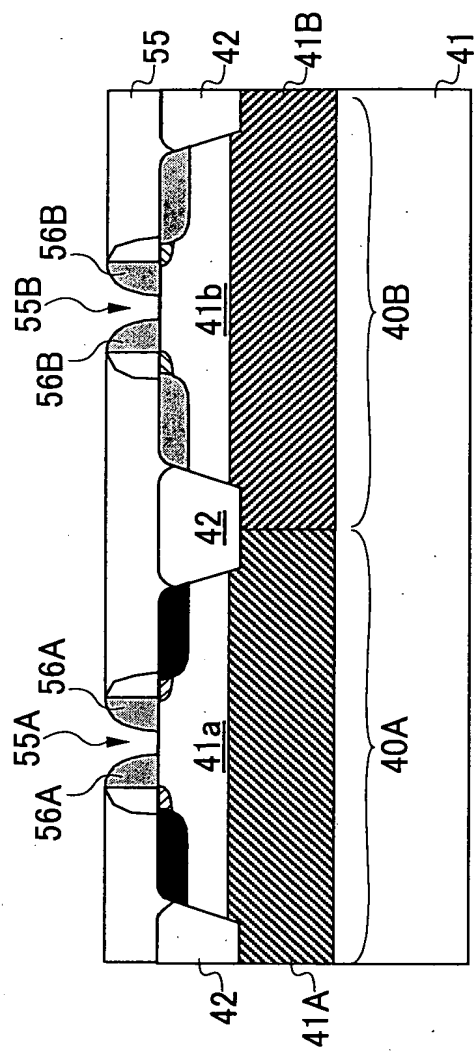


FIG. 22A

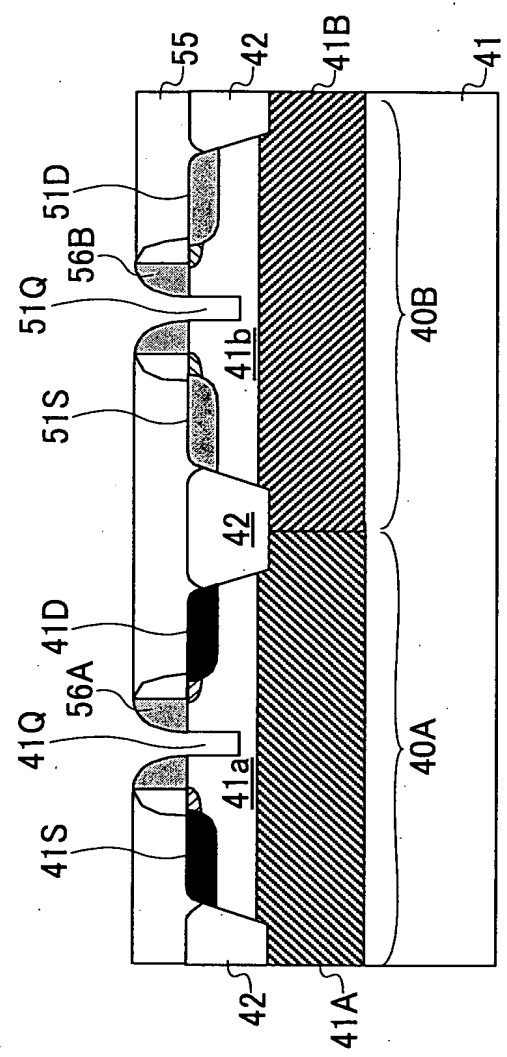
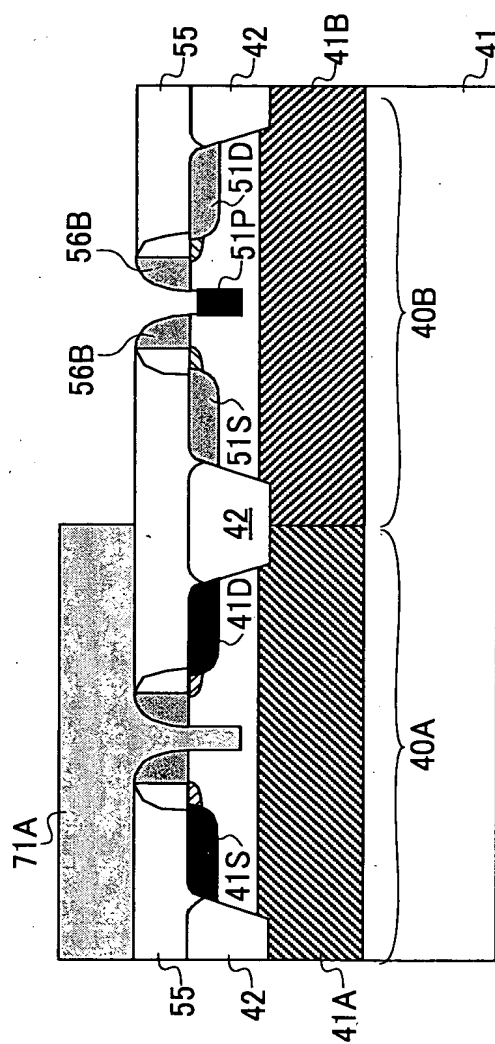
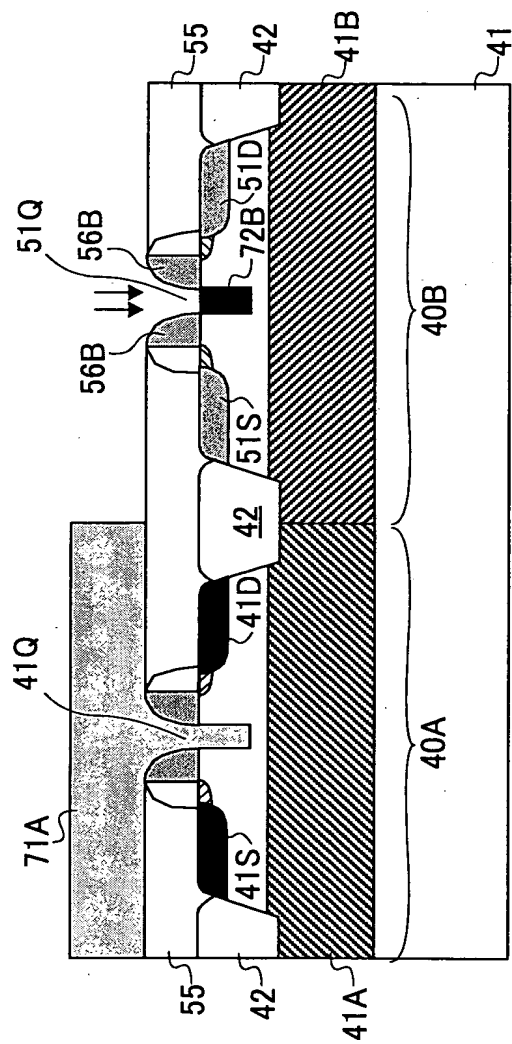
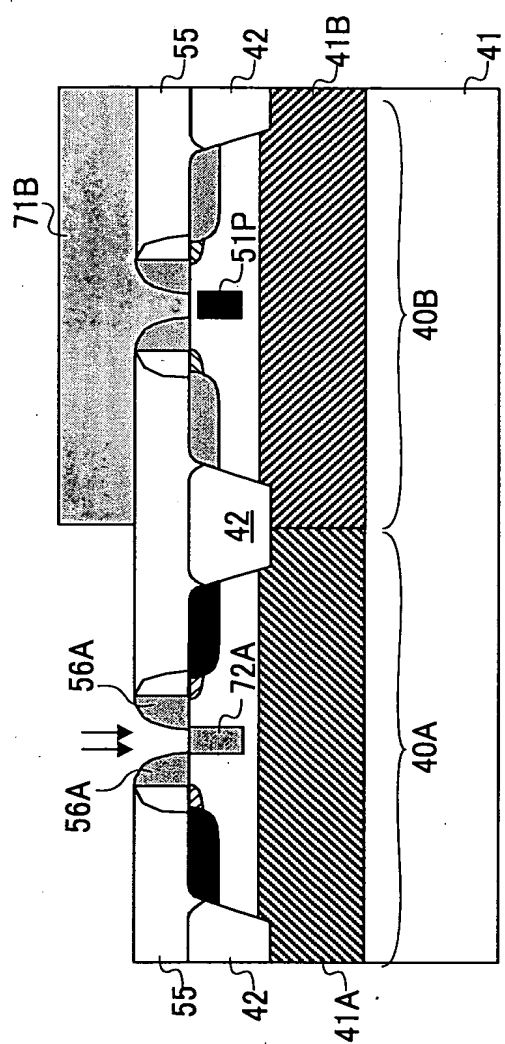
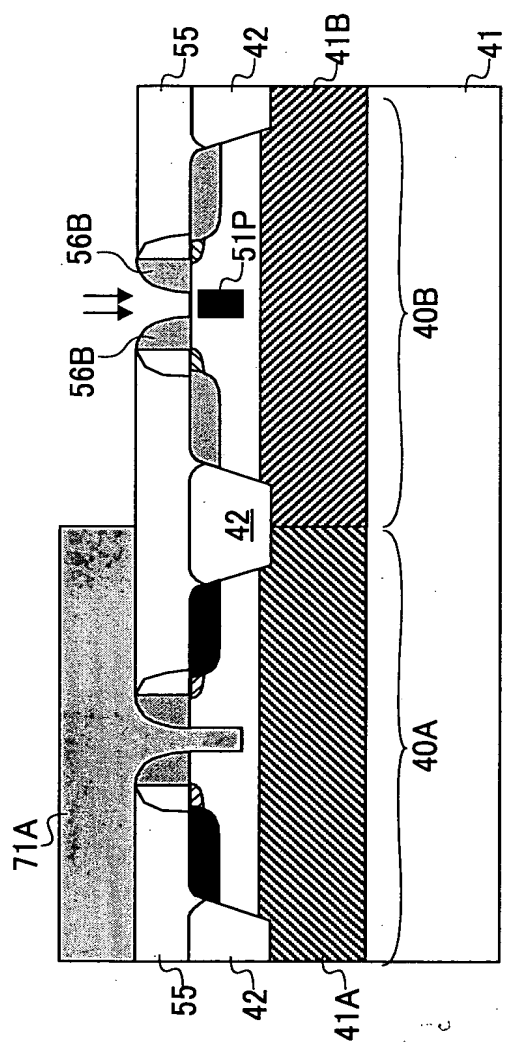


FIG. 22B





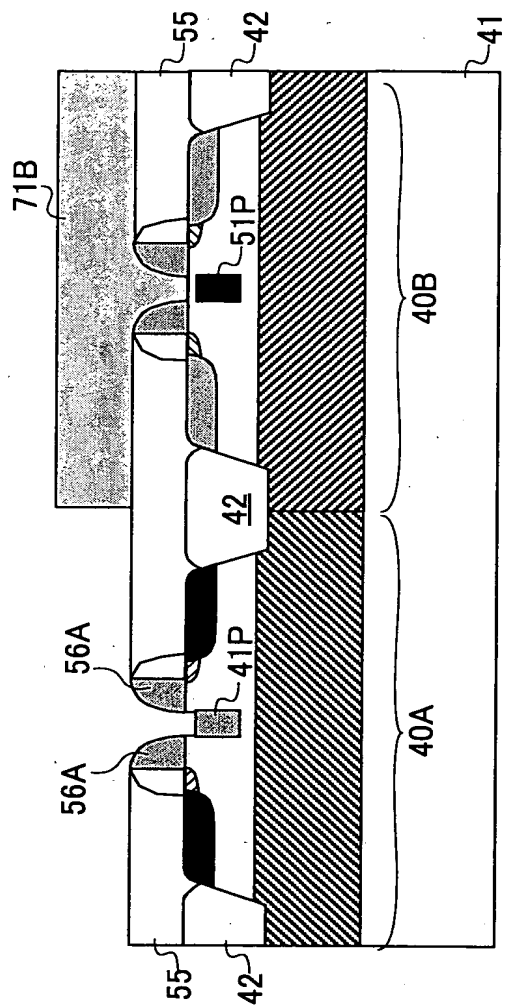


FIG. 22G

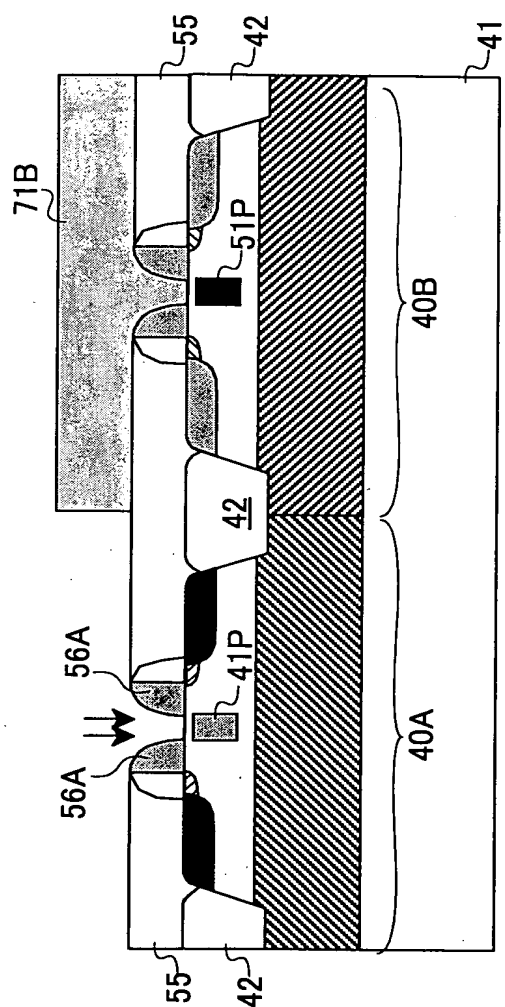


FIG. 22H

FIG.22I

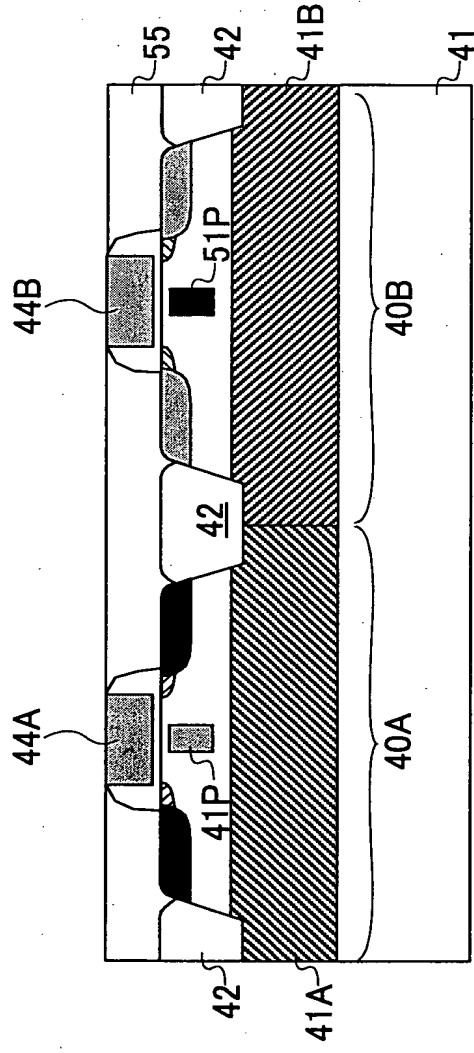


FIG.23

